

**Remarks**

The Final Office Action dated September 29, 2010, has been carefully considered. Claims 1 and 13 have been amended without addition of new matter. Reconsideration of currently presented claims is respectfully requested.

***Claim Interpretation***

In Paragraph 2 of the Office Action, it is noted that claims 1-11, 13-16, and 19-24 are directed to an apparatus. The Attorney for the Applicants has carefully reviewed this paragraph and amended the claims accordingly.

***Claim Rejections – 35 USC § 103***

In Paragraph 3 of the Office Action, claims 1-5, 7-9, 11, and 13-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Henriquez (US 4,840,737) in view of Bastiaensen et al. (WO 00/01657, as translated by US 6,541,665), Meisenburg et al. (US 3,801,285) and Kahmann et al. (US 2,770,533) or, alternatively, Bastiaensen et al. (WO 00/01657, as translated by US 6,541,665) in view of Henriquez (US 4,840,737), Meisenburg et al. (US 3,801,285) and Kahmann et al. (US 2,770,533).

Applicants respectfully submit that the cited references, alone or in combination, do not teach, suggest or disclose all the elements of the current invention as required under MPEP § 706. Specifically, the cited references do not teach, suggest, or disclose (1) the use of a heat exchanger and the temperature of such heat exchanger, (2) the pressure limitations of a first region (“not less than about 0.5 bar”), (3) the pressure limitations of a second region (“may reach a pressure from about 0.1 to about 30 bar”) or (4) the flow resistor between the second and third

regions. Applicants respectfully submit that the cited references, alone or in combination, do not teach, suggest or disclose the new limitation or the previously presented limitations. As such, Applicants respectfully request the examiner withdraw the rejection of claims 1-5, 7-9, 11 and 13-23.

***Conclusion***

In light of the foregoing remarks and amendments to the claims, Applicants believe that the present application is now in condition for allowance, and such action is respectfully requested. If any issues remain unresolved, the Examiner is invited to telephone Applicants' counsel at the number provided below.

Respectfully submitted,

/Philip P. McCann/

Philip P. McCann  
Registration No. 30,919  
SMITH MOORE LEATHERWOOD LLP  
P.O. Box 21927  
Greensboro, NC 27420  
(336) 378-5302  
phil.mccann@smithmoorelaw.com

Date: November 29, 2010

File No. 5003073.060US1

CERTIFICATE OF TRANSMISSION

I HEREBY CERTIFY THAT THIS DOCUMENT IS BEING  
TRANSMITTED VIA EFS-WEB TO THE UNITED STATES  
PATENT AND TRADEMARK OFFICE ADDRESSED TO:  
MAIL STOP AF, COMMISSIONER FOR PATENTS,  
P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON  
November 24, 2010  
(Date)

Mary M. Garner  
Name of Depositor

/Mary M. Garner/  
Signature

November 24, 2010  
Date of Signature